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Dorel Homentcovschi is a professor of applied mathematics and has over 40 years of international experience. He holds a B.S. and M.S. in Mathematics and Mechanics from the University of Bucharest, Romania. In 1970 he earned his Ph.D. in mathematical physics and fluid dynamics also from the University of Bucharest. His extensive academic and research experience includes joint appointments as Professor of Mathematics at the Polytechnic Institute of Bucharest and Director of the Institute of Applied Mathematics of the Romanian Academy.

Dr. Homentcovschi has received numerous honors for his research and publications in the fields of applied mathematics and mechanics, mathematical modeling and computation in microelectronics, analytical (asymptotical) and numerical methods, and boundary edge corrections.

In 2001 Dr. Homentcovschi joined the Microacoustic Sensors Laboratory as a senior Research Professor. His contributions are essential in each step of sensor development: concept, design, modeling, testing and analysis. As an applied mathematician he marries together the theoretical designs and models with fabrication processes and with acoustic testing of completed devices. Dr. Homentcovschi is also an adjunct Professor in the Department of Mechanical Engineering for special topic graduate courses.

Dr. Homentcovschi has over 120 publications, including book chapters, international and domestic scientific journals and symposia proceedings.

For more information about Dr. Homentcovschi's work, please visit:

<http://www.ws.binghamton.edu/msl>.